

IN THE CLAIMS

The claims in the listing will replace all prior claims in the application.

Claims 1-13 (Cancelled)

14. (Currently amended) The cleaning system according to Claim 23 ~~22~~, wherein $a_0=0.2771$, $a_1=-0.0042$, $a_2=-0.0094$, $a_3=0.0061$, $a_4=-0.2738$ and $a_5=-0.0377$; and $x_1=\sigma$ -moment M_2 , $x_2=\sigma$ -moment M_3 , $x_3=\sigma$ -moment M_4 , $x_4=f_{don}$, and $x_5=\Delta G_{Cosmo}$; and $n=5$.

15. (Cancelled)

16. (Currently amended) The cleaning system according to Claim 23 ~~22~~, wherein at least 75% of said fragrance ingredients have a relative fabric affinity value (y) of at least 4.

17. (Previously presented) The cleaning system according to Claim 16, wherein at least 85% of said fragrance ingredients have a relative fabric affinity value (y) of at least 4.

18. (Currently amended) The cleaning system according to Claim 23 ~~22~~, wherein at least 50% of said fragrance ingredients have a relative fabric affinity value (y) of at least 6.

19. (Previously presented) The cleaning system according to Claim 18, wherein at least 60% of said fragrance ingredients have a relative fabric affinity value (y) of at least 6.

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20. (Previously presented) The cleaning system according to Claim 19, wherein at least 70% of said fragrance ingredients have a relative fabric affinity value (y) of at least 6.

21. (Currently amended) The cleaning system according to Claim 23 22, wherein said fragrance system comprises additional additives selected from the group consisting of anti-microbial ingredients, UV filters, anti-static ingredients, optical brighteners, cooling agents, and warming agents.

Claim 22. (Cancelled)

23. (Currently amended) A cleaning system comprising:

- a) liquid CO₂, and
- b) a fragrance system, wherein said fragrance system comprises fragrance ingredients that are determined to be substantive to garments according to the following mathematical equation:

$$y=a_0+\sum a_n X_n$$

wherein y is defined as the predicted relative substantivity of an aroma chemical having a range of from about 1-7 with 7 being the most substantive;

wherein x_{1-n} are defined as molecular descriptors derived out of COSMO RS calculations;

wherein n is defined as number of descriptors used in the said equation,

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wherein a_{0-n} are defined as coefficients derived from linear regression analysis;

wherein at least 60% of said fragrance ingredients have a relative fabric affinity value (y) of at least 4

wherein the fragrances ingredients are selected from the group consisting of:

benzaldehyde, methylbenzoate, herbaflorat, phenylacetaldehyd 100%, terpinolene, eucalyptol, benzylacetate, CITRAL PURE, myrcene supra, cyclabute, floralozone, isobornylacetate, MUSK C14, CPD-ketone cyclopentadecanolidone, menthylacetate RF, AGRUMET HC, aldehyde C10, HEDION, NEROLIONE, DATILAT, decenal trans-2, cyclamenaldehyde, ethylenbrassylate, isoraldein 70, ambrettolide, citronitril, lilial, adehyde C14, Maltol, coumarone H&R, vanillin, adehyde C12 MNA, linalool FF, Ethylvanilin, Eugenol, ambrox Dl. Globalide 100%, Cedramber, Terpeneol Alpha, Lyrall, Geraniol 60, Freesiol/Corps 199, ~~Menthol L. dist~~, Neonnitril H&R, Citronellol 950, Sandolene H&R, Mandaril, Sandel E/Corps 760, profarnesol, methylanthrenilate, hexahydroiraldein, benzylcinnamate, benzylsalicylate, Jasmol, hydroxycitronellol, and PHYTOL.